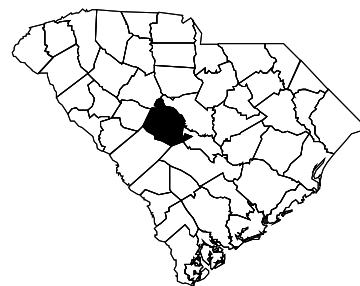


IMPACT OF CHRONIC CONDITIONS LEXINGTON County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Lexington county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Lexington county's population is similar to the state population. The majority (38%) of the population in Lexington county are between the ages of 18-44, and there are more females (51%) than males (49%). However, Lexington county has a lower minority population (16%) than the state (31%). When adults in DHEC's Region 3, which includes Lexington County, were asked about their general health status, 85.5% reported having excellent, very good, or good health in 2005 (SC was 82%).

	LEXINGTON COUNTY	STATE
Population size	235,272	4,255,083
Age distribution (%)		
<18	24	24
18-44	38	38
45-64	27	25
65-84	10	11
85+	1	2
Race (%)		
White	84	69
Black & Other	16	31
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Lexington County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	23	22
Sedentary lifestyle	18	26
Overweight	69	65
High Cholesterol	34	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	26.1	.	.	.	.	31.7
Number of hospitalizations	164	55	109	63	101	5,032
Crude rate of hospitalizations (per 100,000)	70	145	55	55	84	118
Median age of hospitalized patients	62	52	67	57	67	57
Total cost of hospitalization (\$)	4,383,200	1,837,800	2,545,400	1,649,800	2,733,400	109,400,500
Average length of hospital stay (days)	5	5	5	4	6	5
Number of ED visits	227	94	133	110	117	7,466
Crude rate of ED visits (per 100,000)	96	247	67	96	97	175
Median age of ED patients	52	42	62	52	57	52
Total cost of ED visits (\$)	376,800	153,100	223,700	178,500	198,300	9,929,000
Number of deaths**	10	4	6	6	4	423
Age-Adjusted Death rate (per 100,000)**	5	23	3	9	3	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	4.1
Number of hospitalizations	3,787	429	3,358	2,119	1,667	60,901
Crude rate of hospitalizations (per 100,000)	1,610	1,129	1,702	1,843	1,386	1,431
Median age of hospitalized patients	67	57	67	62	72	67
Total cost of hospitalization (\$)	155,981,900	17,664,500	138,317,400	90,820,600	65,151,800	2,286,836,400
Average length of hospital stay (days)	5	6	5	5	5	5
Number of ED visits	642	94	548	343	299	12,989
Crude rate of ED visits (per 100,000)	273	247	278	298	249	305
Median age of ED patients	62	57	62	62	72	62
Total cost of ED visits (\$)	2,690,300	356,500	2,333,800	1,543,800	1,146,500	42,115,900
Number of deaths**	452	36	415	227	225	9,328
Age-Adjusted Death rate (per 100,000)**	216	209	219	262	180	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	659	96	563	321	338	13,925
Crude rate of hospitalizations (per 100,000)	280	253	285	279	281	327
Median age of hospitalized patients	72	62	72	67	72	72
Total cost of hospitalization (\$)	23,176,600	4,208,300	18,968,300	11,113,500	12,063,100	384,441,600
Average length of hospital stay (days)	6	8	5	5	6	6
Number of ED visits	100	11	89	44	56	2,515
Crude rate of ED visits (per 100,000)	43	29	45	38	47	59
Median age of ED patients	72	62	72	67	72	67
Total cost of ED visits (\$)	434,700	48,200	386,500	179,000	255,700	9,113,000
Number of deaths**	114	18	96	46	68	2,440
Age-Adjusted Death rate (per 100,000)**	57	94	53	59	56	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	534	82	452	219	315	15,753
Crude rate of hospitalizations (per 100,000)	227	216	229	190	262	370
Median age of hospitalized patients	62	47	62	57	62	62
Total cost of hospitalization (\$)	17,607,700	2,077,000	15,530,700	6,710,300	10,897,400	268,425,300
Average length of hospital stay (days)	6	4	6	5	6	5
Number of ED visits	1,434	431	1,002	640	794	36,543
Crude rate of ED visits (per 100,000)	610	1,135	508	557	660	859
Median age of ED patients	42	27	47	37	42	37
Total cost of ED visits (\$)	3,342,200	909,300	2,432,900	1,441,800	1,900,400	40,613,700
Number of deaths**	81	4	76	41	40	1,968
Age-Adjusted Death rate (per 100,000)**	38	24	39	47	33	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.8	.	.	.	.	10.3
Number of hospitalizations	362	120	242	197	165	9,027
Crude rate of hospitalizations (per 100,000)	154	316	123	171	137	212
Median age of hospitalized patients	47	47	47	42	52	52
Total cost of hospitalization (\$)	9,712,300	2,664,200	7,048,100	5,931,800	3,780,500	179,747,700
Average length of hospital stay (days)	6	6	6	6	6	6
Number of ED visits	471	151	320	232	239	9,603
Crude rate of ED visits (per 100,000)	200	398	162	202	199	226
Median age of ED patients	52	52	55	52	52	52
Total cost of ED visits (\$)	795,700	268,700	527,000	412,400	383,300	13,447,300
Number of deaths**	34	11	23	12	22	1,183
Age-Adjusted Death rate (per 100,000)**	15	59	12	10	18	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	877	93	784	419	458	16,389
Crude rate of hospitalizations (per 100,000)	373	245	397	364	381	385
Median age of hospitalized patients	62	57	62	62	62	62
Total cost of hospitalization (\$)	43,320,800	4,749,300	38,571,500	22,297,800	21,023,000	664,309,500
Average length of hospital stay (days)	8	8	8	8	8	8
Number of deaths**	395	41	354	217	178	8,617
Age-Adjusted Death rate (per 100,000)**	178	205	177	244	139	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	99	10	89	52	47	2,070
Crude rate of hospitalizations (per 100,000)	42	26	45	45	39	49
Median age of hospitalized patients	62	57	62	62	67	67
Total cost of hospitalization (\$)	5,544,100	943,400	4,600,700	3,316,600	2,227,500	101,377,700
Average length of hospital stay (days)	8	11	8	9	8	10
Number of deaths**	30	3	27	19	11	812
Age-Adjusted Death rate (per 100,000)**	14	14	14	22	9	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	81	12	69	-	81	1,228
Crude rate of hospitalizations (per 100,000)	67	62	68	-	75	56
Median age of hospitalized patients	62	60	62	-	62	62
Total cost of hospitalization (\$)	2,125,000	260,900	1,864,100	-	2,125,000	26,163,000
Average length of hospital stay (days)	2	3	2	-	2	3
Number of deaths**	29	3	26	-	29	651
Age-Adjusted Death rate (per 100,000)**	22	23	22	-	22	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	8	2	6	-	8	192
Crude rate of hospitalizations (per 100,000)	7	10	6	-	7	9
Median age of hospitalized patients	40	47	37	-	40	47
Total cost of hospitalization (\$)	401,800	72,500	329,300	-	401,800	4,668,500
Average length of hospital stay (days)	8	6	8	-	8	4
Number of deaths**	1	-	1	-	1	63
Age-Adjusted Death rate (per 100,000)**	1	-	1	-	1	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	130	9	121	80	50	2,181
Crude rate of hospitalizations (per 100,000)	55	24	61	70	42	51
Median age of hospitalized patients	67	52	67	67	67	67
Total cost of hospitalization (\$)	6,863,900	213,600	6,650,300	3,737,600	3,126,300	92,775,300
Average length of hospital stay (days)	9	4	10	9	10	9
Number of deaths**	131	11	120	76	55	2,703
Age-Adjusted Death rate (per 100,000)**	57	58	58	77	43	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	48	6	42	48	-	1,209
Crude rate of hospitalizations (per 100,000)	42	32	44	33	-	58
Median age of hospitalized patients	62	67	62	62	-	62
Total cost of hospitalization (\$)	1,927,600	161,200	1,766,400	1,927,600	-	30,356,600
Average length of hospital stay (days)	4	2	4	4	-	4
Number of deaths**	25	7	18	25	-	460
Age-Adjusted Death rate (per 100,000)**	35	102	30	35	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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